



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,471	03/25/2004	Thomas Adam Chmielewski JR.	SAR 14752	8339

58882 7590 03/19/2007  
PATENT DOCKET ADMINISTRATOR  
LOWENSTEIN SANDLER P.C.  
65 LIVINGSTON AVENUE  
ROSELAND, NJ 07068

EXAMINER
----------

HARRINGTON, ALICIA M

ART UNIT	PAPER NUMBER
----------	--------------

2873

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/19/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.



**DETAILED ACTION**

***Information Disclosure Statement***

1. The Examiner has been partially considered the information disclosure statement filed on 3/25/04. Some references failed to disclose a month and year of publication.

***Drawings***

2. The drawings are objected to because the drawings contain hand written text. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1,2,7 are rejected under 35 U.S.C. 102(b) as being anticipated by Yee (US 5,966,197).

Regarding claims 1, Yee disclose an eye tracking system comprising a horizontal line camera (32a) and a vertical line camera (32b); and a processor (see figure 4, col. 8, lines 42-67 and col. 9, lines 1-10).

Regarding claim 2, the sclera and iris (see col. 8) using edge detection.

Regarding claim 7, see col. 5, lines 49-60.

***Allowable Subject Matter***

5. Claims 3-6, and 8-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. Claims 11-19 are allowed.

7. The following is an examiner's statement of reasons for allowance: Regarding claim 11, prior art fails to fairly suggest an eye tracking system for tracking eye motion of a user having first and second eyes comprising a horizontal line camera configured to capture a horizontal image of at least a portion of the first eye of the user and a vertical line camera configured to capture a vertical image of at least a portion of the second

eye of the user where the processor processes signal from horizontal and vertical line images of the eye to track motion of the eye as claimed.

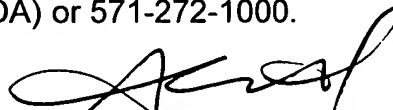
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M. Harrington whose telephone number is 571 272 2330. The examiner can normally be reached on Monday - Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on 571 272 2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Alicia M Harrington  
Primary Examiner  
Art Unit 2873

amh